



## SNC-RZ30P

Video PTZ Network Camera

### The network camera experience



The SNC-RZ30P is a Video Network Camera combining network functionality with Pan-Tilt-Zoom functionality taking remote monitoring to the next step.

The SNC-RZ30P features a 25x optical zoom capability that allows a user to zoom in on small or distant objects with exceptional clarity. Capable of direct connection to any Local Area Network (LAN), the SNC-RZ30P can stream up to 25 frames per second of high quality colour images in 640x480 resolution providing you all details required for effective monitoring.

Pictures from the SNC-RZ30P can be viewed and the PTZ movement can be controlled using a PC running a standard browser. All of its functionality is packaged into one sleek, compact, and light-weight body.

Check out the DB-livepicsbasE, live camera of the SNC-RZ30P

### Features

#### Up to 25 fps (640x480) Video monitoring over TCP/IP networks

The SNC-RZ30P enables video monitoring over standard 10/100 Base-T TCP/IP networks such as LAN, WAN and the internet.

#### High picture quality

The SONY original 1/6 type IT Super HAD CCD and DSP (Digital Signal Processing) provides excellent picture quality. The camera achieves a maximum picture resolution of 736 x 576 and a minimum illumination of 3.0 lx at F1.6, 50 IRE.

#### High-Speed Pan / Tilt

The SNC-RZ30 has one of the widest ranges in its class: a Pan range of 340°, a tilt range of 115°. The full 340° pan range can be covered in 2 seconds, and the -25° to +90° tilt range can be covered in 1.5 seconds.

#### Quiet operation

In addition to the wide range of motion and high-speed movements, the SNC-RZ30 incorporates gearless direct-drive motors that ensure exceptionally quiet operation.

#### 25 x Optical Zoom (300x digital zoom)

The fast and stable auto focus zoom lens reaches has a 25x optical zoom ( $f = 2.4 \text{ mm to } 60 \text{ mm}/$ ) and 300x digital zoom.



## 16 programmable preset positions

You can store up to 16 settings of the pan, tilt and zoom positions (Preset positions) in its memory. In addition you can store multiple preset positions creating a sequential tour of camera movements. You can set both pan speed and the time it should stay in the pre-set position.

## Exclusive control mode (On/Off)

Limits the pan/tilt operation of the camera to only one user. The period of operation allowed to one user is determined by the Operation time setting. The control right is limited according to the Operation time and Maximum wait number settings.

## Easy GUI (Graphical User Interface) based operation

The built-in home page of the SNC-RZP is designed for easy and quick access to all functions allowing you to monitor and control live images via a standard web browser

## Easy installation and set-up

Supporting all standard network protocols, installing this camera is easy-simply connecting the Ethernet cable to an existing TCP/IP network. Set-up is quick and simple using the supplied set up program, which provides easy configuration of IP addresses.

## Simultaneous access for 50 users

Up to 50 people can simultaneously access the SNC-RZ30P and monitor images separately.

## Selectable image size

Eight different image size modes are selectable: 736 × 544 (Auto), 736 × 544 (Frame), 736 × 544 (Field), 640 × 480 (Auto), 640 × 480 (Frame), 640 × 480 (Field), 320 × 240, 160 × 120. If you select Auto, the image mode changes between Frame and Field automatically depending if the object is moving or still.

## Security management

As well as allowing multi-user access, the SNC-RZ30P also maintains security, managing access to each camera site with password protection. There are three levels of password settings available. In addition to password protection, the SNC-RZ30P also features IP-filtering to allow access only from pre-determined client PCs.

## Advanced alarm functionality

The SNC-RZ30P supports a comprehensive range of alarm features including 3x external alarm inputs, embedded activity detection. All of these can activate preset positions, pre -and post alarm storage and image distribution to remote server. Notifying the user can be done through an external alarm output, E-mail or Pop-up window.

## Activity detection

The SNC-RZ30P features embedded activity detection for three freely assign-able areas allowing unattended operation.

## Image storage on optional PC card or built-in memory

The built-in memory (about 8 MB) or optional ATA memory card can captures and records still images when an alarm occurs. You can also record a still image periodically. The recorded image file can be found or downloaded to the computer using the FTP server function.

Viewing the sequential alarm pictures can be done through the optionally added HTML file using a general browser (Digest Viewer).

## Analogue video output

The SNC-RZ30P is equipped with a composite video output (PAL) for connection to analogue video equipment (only ceiling mount).

## Day/Night mode (IR cut filter on/off)

The SNC-RZ30P supports Day/Night mode allowing you to switch from colour to B&W by removing the IR (infrared) cut filter either by automatic operation, manual trigger or timer function.

## Crop-area setting

When the image size is 736 × 544 or 640 × 480, you can trim a portion of the image and display the trimmed image on the computer. With the trimming, the transmitting data size and thus, the network load is reduced and a higher frame rate is obtained.

## RS-232C/485 interface

The RS-232C/485 transparent interface allows control of peripheral devices through the SNC-RZ30P.

## Image Stabilizer



## Others

The SNC-RZ30P features a range of other advanced camera features, which all can be controlled over the network including White Balance mode (Auto, Indoor, Outdoor, One push WB, ATW and Manual), backlight compensation (On/Off), Shutter (1/10000 to 1 seconds) and gain control (-3 to 28 dB).

## Benefits

### Access your video from anywhere at any time.

The SNC-RZ30P simply connects to your TCP/IP network allowing you to access the video from anywhere on the network.

### Easy installation.

Supporting all standard network protocols, installing this camera is an easy task by simply connecting the Ethernet cable to any TCP/IP (Transport Control Protocol / Internet Protocol) Network. The supplied set-up software makes it possible to start monitoring within minutes after you installed the camera.

### Powerful video monitoring allowing you to locate any position in the viewable area.

It's easy to locate almost any position in the viewable area surrounding the SNC-RZ30P using its wide range of Pan-Tilt-Zoom capability. The 25x optical zoom and 300x digital zoom allow you to view all necessary detail. Any of its 16 programmable preset positions can be located within two seconds.

### Keeping track of all onsite activity.

High quality smooth moving images of up to 25 fps in an exceptional 640x480 resolution ensuring full motion video monitoring.

### Capturing all picture detail required.

The image quality is extremely high, making it the ideal colour camera for effective surveillance and monitoring providing you all the detail required.

### No bandwidth consumption thanks to local picture storage.

The storage capacity of the SNC-RZ30P can be increased by adding memory allowing you to store tens of thousands of images on the unit without having to consume bandwidth on the network.

### No separate monitoring software required.

Using a standard web browser you can easily access the SNC-RZ30P thanks to its built-in home page. This graphical user interface is designed for easy control and quick access to all functions.

### Allowing integration into analogue video surveillance systems.

Recognising the need for IP cameras to work alongside existing analogue video surveillance systems, the SNC-RZ30P also includes a standard composite video output, allowing seamless integration into existing video surveillance systems.

### Limit camera access to relevant persons only.

Security management allows you to limit the access to those who have permission only by password protection and IP-filtering.

### Making video available for up to 50 different users simultaneously.

In the case your monitoring any process that involves different persons, up to 50 users can access a single SNC-RZ30P to monitor images and control the unit

### Monitoring day and night.

The SNC-RZ30P features a day/night function allowing switching to black and white mode during low light conditions, such as nighttime, providing more sensitive pictures.

### Unattended operation.

The built-in activity detection function enables you to keep easily track of activity on site while not actively monitoring. The camera can be set to automatically store or send pictures when activity is being triggered.

## Technical Specifications

### General

Mass	1.2 kg (2 lb 10 oz)
Dimensions	140 x 175 x 144 mm (5 5 /8 x 7 x 5 3 /4 inches)
Power requirements	DC 12 V via AC adaptor (100 to 240 V)
Power Consumption	21.6 W
Operating Temperature	0 °C to + 40 °C (32 °F to 104 °F)
Operating humidity	20% to +80%, Non-condensing

### Image Data

Compression ratio	1 /5 ~ 1/60 (10 steps)
Algorithm	JPEG
Image Resolution	736 x 544, 640 x 480, 640 x 240, 320 x 240, 160 x 120
Frame rate	25 fps max. (640 x 480)

### Camera

Imager	1 /6 type Interline Transfer Super HAD CCD
Pixels	800,000 pixels
Electronic shutter	1 /3 to 1/10,000 sec.
Exposure	Auto [Full Auto (including backlight compensation), Shutter-priority, Iris-priority] and manual
White balance	Auto, ATW, Indoor, Outdoor, One-push (trigger command), Manual
EV Compensation	-1.75 to +1.75 (15 steps)
Iris	Auto/Manual (F1.6 to close)
Gain	Auto/Manual (-3 dB to 28 dB)
Focus mode	Auto/Manual (Near, Far, One-push autofocus)

### Lens

Zoom Ratio	25x optical zoom, 300x with digital zoom
Horizontal viewing angle	2.0 degrees to 45 degrees
Focal length	f = 2.4 mm to 60 mm
F-number	F1.6 (wide), F2.7 (tele)
Minimum object distance	Tele: 800 mm, Wide: 30 mm

### Pan/Tilt

Pan angle	-170 to +170 degrees
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### Interfaces

Pan speed	2 sec./340 degrees
Tilt angle	-25 to +90 degrees
Tilt speed	1.5 sec./115 degrees
Ethernet	10 Base-T / 100 Base-Tx (RJ-45)

### Video Output

Sensor and I/O	Sensor input x3 Sensor output x2
Serial I/F	RS-232C/RS-485 transparent port
PCMCIA	Type II x 2
Analogue Video Output	Analogue composite (BNC x1)
Signal system	PAL
Sync system	Internal
Horizontal resolution	480 TV lines
CPU	32 bit RISC Embedded processor
S/N ratio	Better than 48 dB
Min. illumination	3 lx (color)

### System/Network

Browser	MS Internet Explorer v5.5 and 6.0 (Windows98/ME/NT4.0/2000)
Embedded flash memory	32 MB (includes 8 MB alarm buffer)
RAM	32 MB

Security  
Protocols supported

IP-filtering  
TCP/IP, HTTP, ARP, ICMP, DHCP, FTP, SMTP and SNMP (Standard MIB)

### Supplied Accessories

Ceiling bracket  
Cross cable (UTP category 5 cross cable)  
Installation Manual  
CD ROM including: Set-up program & User Manual  
AC power cable  
AC adaptor

## Accessories

### Mounting Hardware



**SNCA-CEILING**

Mounting coupling for pendant applications



**SNCA-WM20G**

Wall mount for dome camera housings



**SNCA-PM3**

Pole mount adapter



**SNCA-CA2**

Corner mount adapter